

SILICONE GEL COMPOSITION AND COSMETIC CONTAINING SAME

Patent Number: JP1190757
Publication date: 1989-07-31
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Requested Patent: ☐ JP1190757
Application Number: JP19880015442 19880126
Priority Number(s):
IPC Classification: C08L83/04 ; A61K7/00
EC Classification:
Equivalents: JP2105655C, JP8006035B

Abstract

PURPOSE:To obtain the title composition having a feeling of use having smooth and refreshing touch, improved in applicability, long-term stability and safety, by mixing a specified silicone polymer with a lowly viscous silicone oil.
CONSTITUTION:A catalytic amount of an alcoholic alkali metal hydroxide is added to an organohydrogenpolysiloxane having at least two Si-bonded hydrogen atoms in the molecule, and the obtained mixture is heated to effect dehydrogenation and condensation to obtain a silicone polymer comprising units of formula I (wherein R is H, an alkyl, an aryl or an aliphatic unsaturated group), units of formula II and, optionally, units of formula III and SiO₂ units, being insoluble in benzene and having a three-dimensional crosslinkage which can contain benzene in an amount at least equal to its own weight. The obtained polymer is mixed with a lowly viscous silicone oil of a viscosity ≤ 50 cs at a weight ratio of 5-30:95-70 to obtain the title composition. This composition is useful as a material for cosmetics.

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